No. No.

OTTAWA July 22nd, 1940.

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REPORT

of the

ORE DRESSING AND METALLURGICAL LABORATORIES.

Investigation No. 868.

Tantalum Ore from A. H. Leavitt, Bronte, Ontario.



DEPARTMENT OF MINES AND RESOURCES MINES AND GEOLOGY BRANCH

BUREAU OF MINES DIVISION OF METALLIC MINERALS

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A sample of rock, weight approximately 20 pounds, stated to contain tantalum, was received on July 6th, 1940, from A. H. Leavitt, Bronte, Ontario. The shipment was crushed and a representative - Page 2 -

sample was obtained. This sample was examined spectrographically. No tantalum or other minerals of economic importance were detected.

A portion of this sample was concentrated on a superpanner and the products were examined spectrographically. The results were also negative.

Approximately 10 pounds of the sample was ground minus 35 mesh and concentrated on a small Wilfley table. A concentrate consisting essentially of rose-coloured garnet was obtained, also a middling product of darker-coloured rock constituents, apparently a pyroxene.

These products were examined in the spectrographic laboratory. The results were again negative.

Approximately 1 pound of the garnet concentrate obtained by tabling was re-concentrated on the superpanner. A very small amount of a heavy white mineral was recovered. This on spectroscopic analysis and ultra-violet light examination proved to be scheelite. No tantalum was present.

The examination of this sample shows that tungsten occurs in infinitesimal amounts. No tantalum was detected.

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